

HIRDLS Met Product Usage Status

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Aura Science Team Meeting

MPWG

1 October 2007



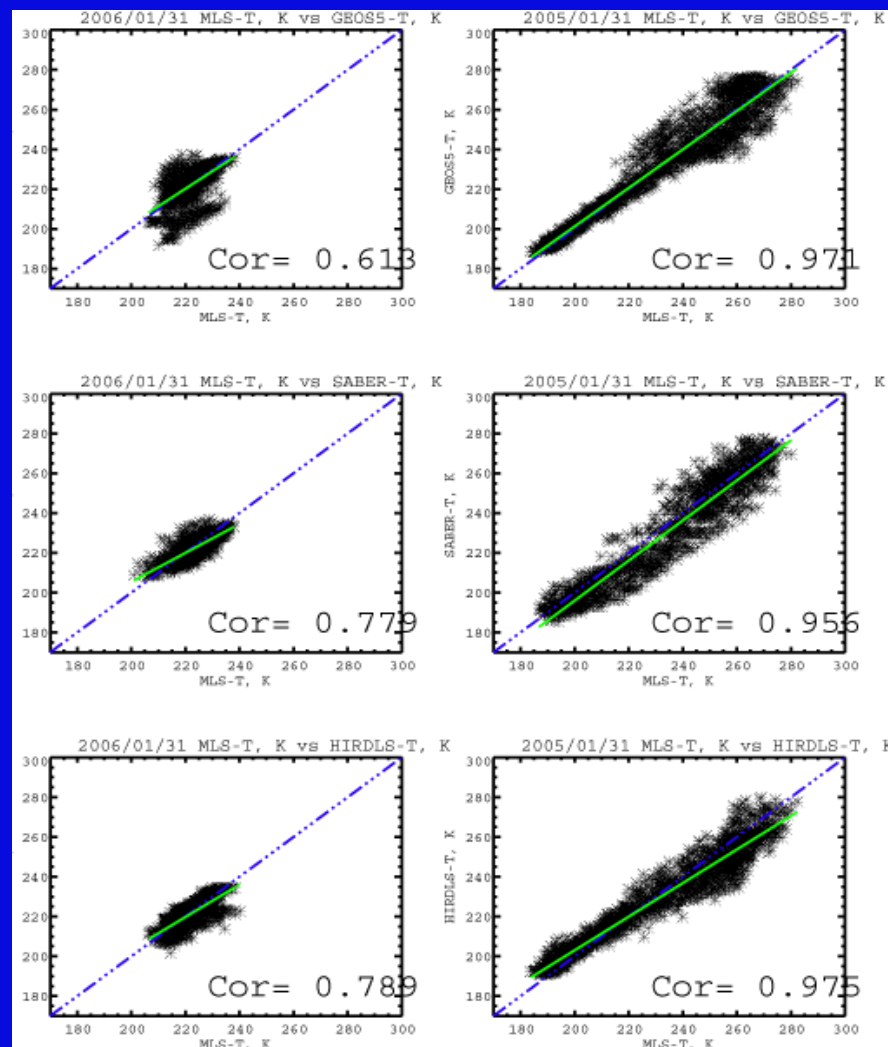
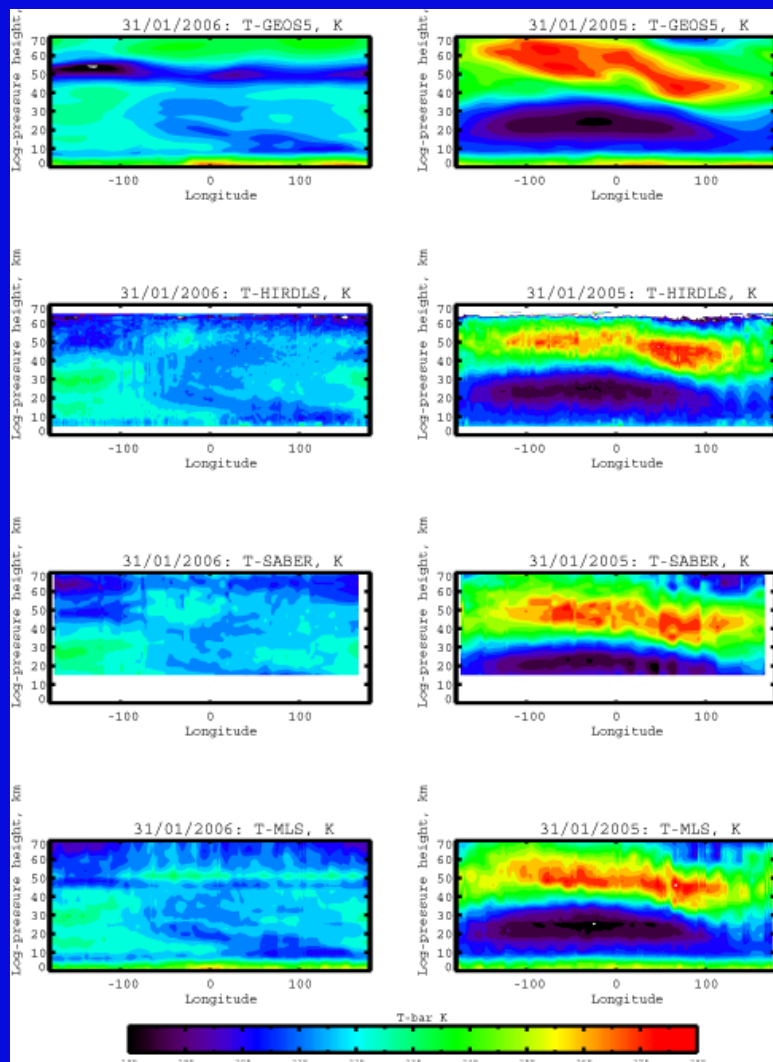
Evaluation of GEOS-5 results:

Morphology of 2005-2007 NH
polar winter wave dynamics as
seen by the HIRDLS instrument

Yudin, Gille, Khosravi

Temperature (MLS-HIRDLS-SABER-GEOS5) at 70°-80° N and 10-60 km, Jan 31 of 2006 and 2005

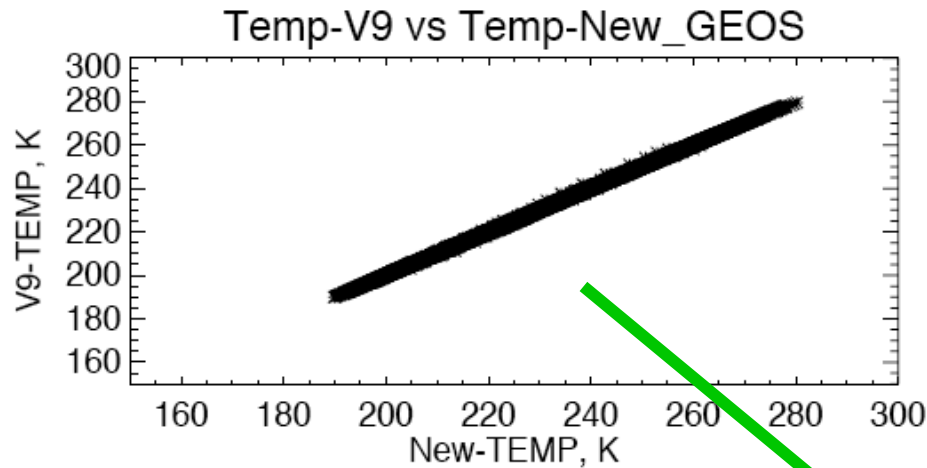
See Yudin, Gille, Khosravi, et al., Poster for details....



Evaluation of GEOS-5 results:

Version 5.01 versus Version 5.1

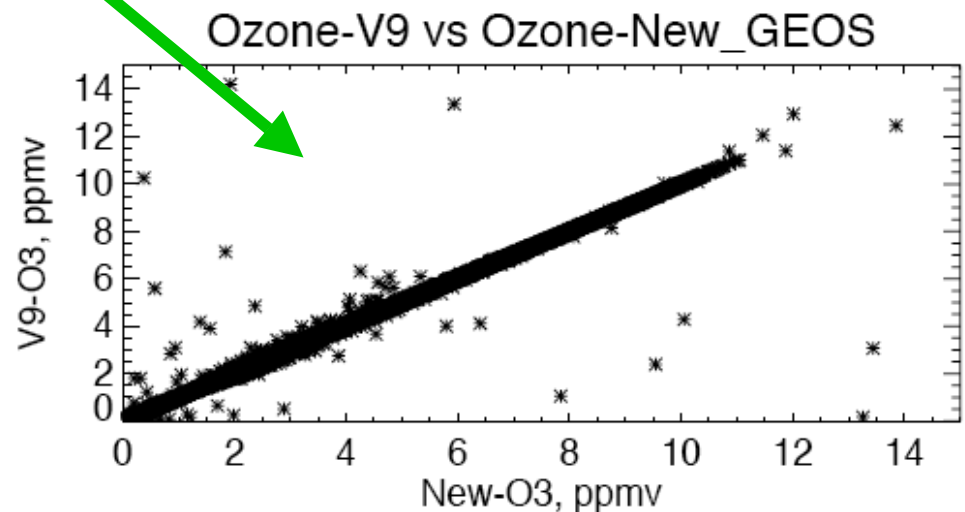
HIRDLS retrieved Temperature and Ozone using GEOS-5 v5.01 and v5.1



2 August 2007, zonal mean
comparison

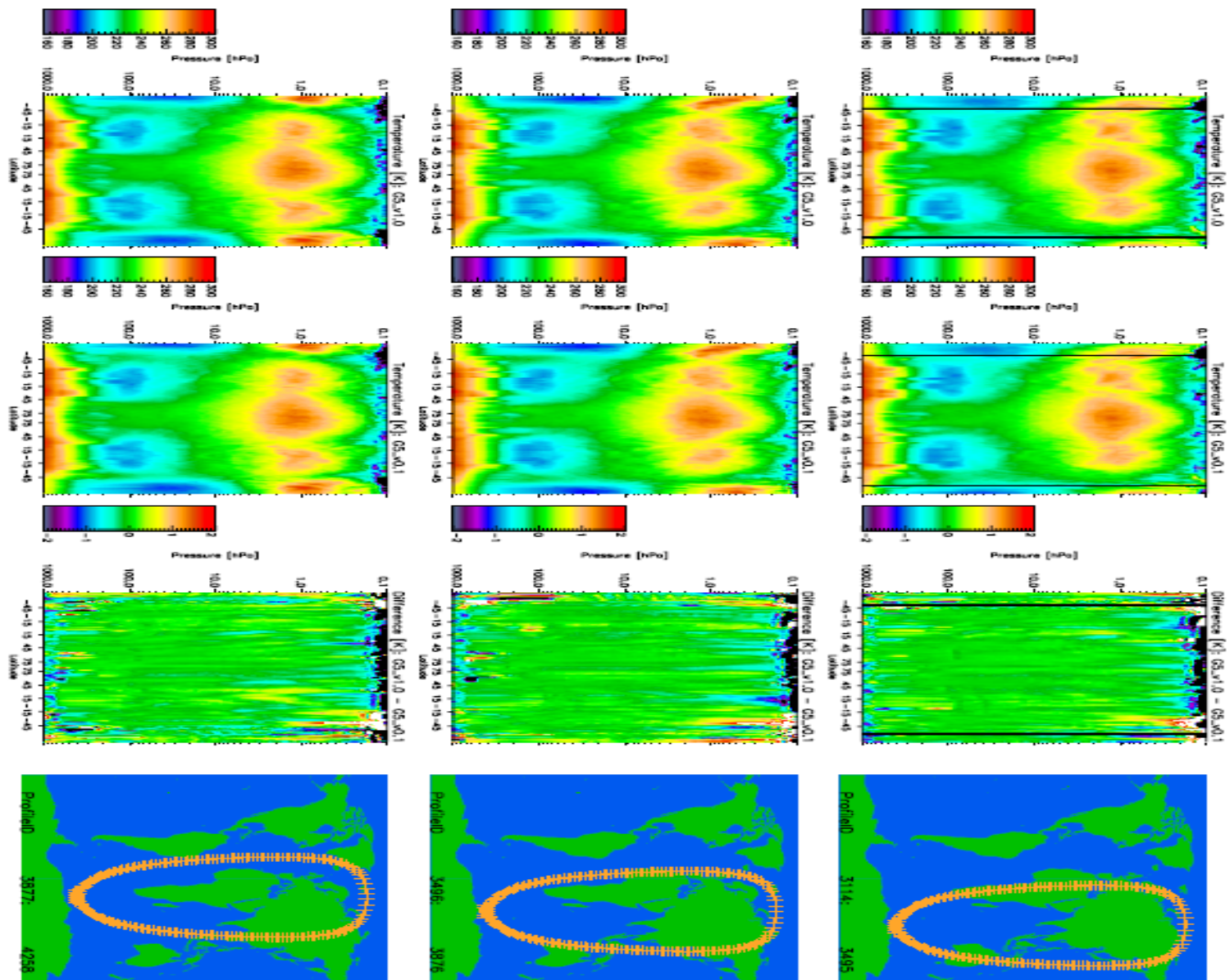
Version 2.04.09 data with
GMAO GEOS-5 v5.01 and
v5.1

Courtesy of V. Yudin



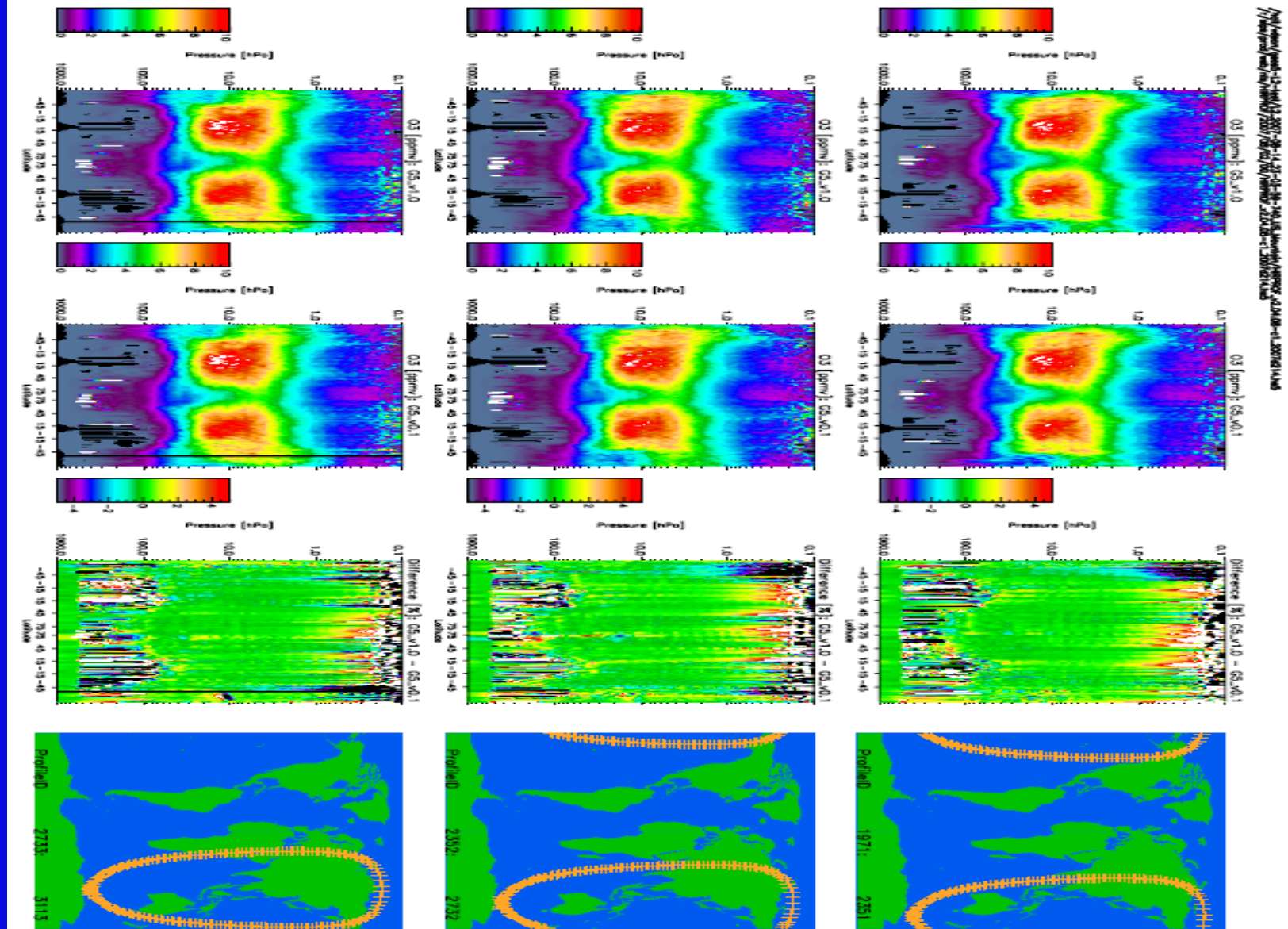
HIRDLS retrieved Temperature: v5.1 versus 5.01

1797 (year) 1797-12-10T12:00:00Z-12-10T12:00:00Z 1797-12-10T12:00:00Z-12-10T12:00:00Z 1797-12-10T12:00:00Z-12-10T12:00:00Z 1797-12-10T12:00:00Z-12-10T12:00:00Z



Courtesy of R. Khosravi

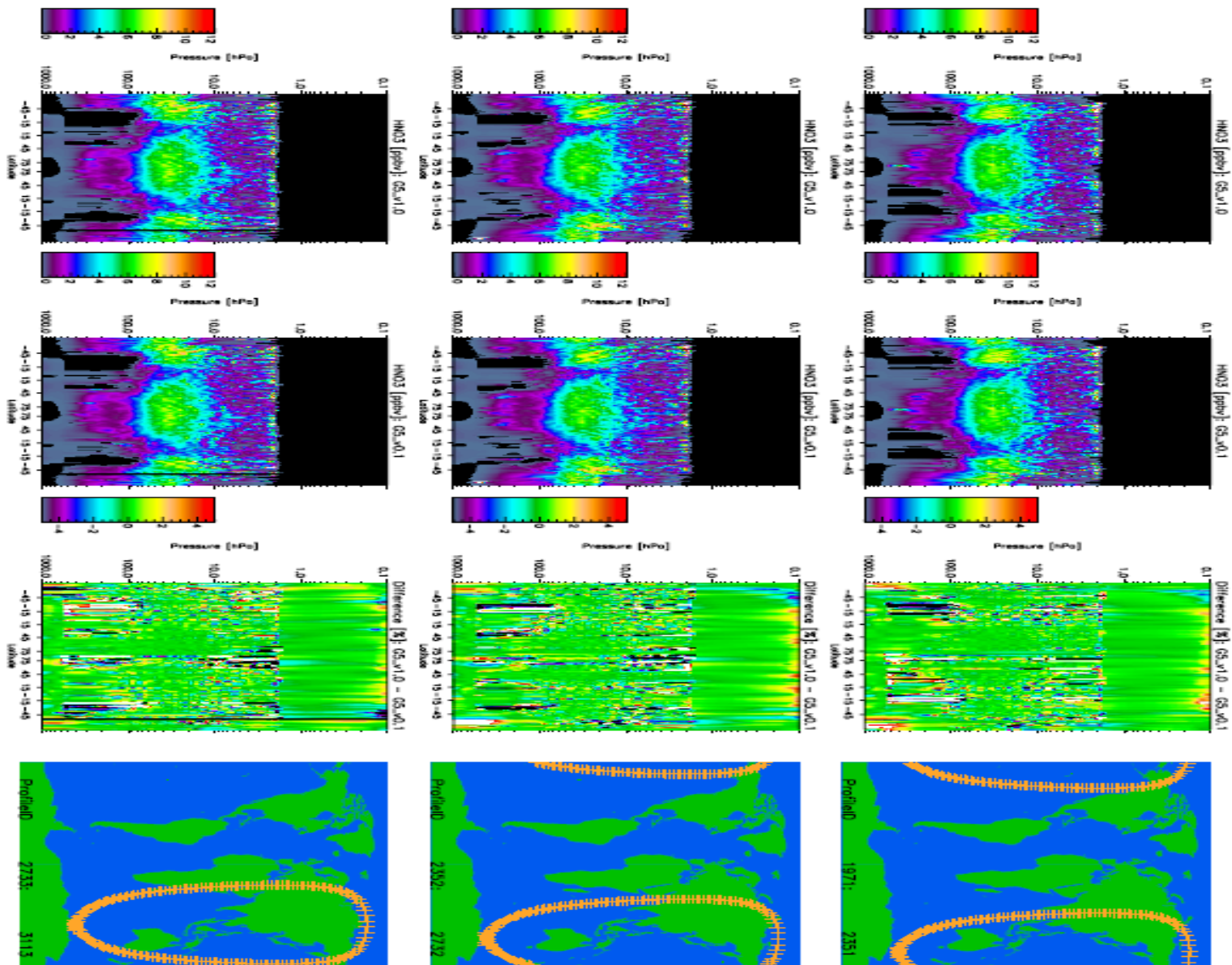
HIRDLS retrieved Ozone: v5.1 versus 5.01



Courtesy of R. Khosravi

HIRDLS retrieved HNO_3 : v5.1 versus 5.01

*File: /home/psm/12-10012.2007-08-14-21-08-19_18_40mhz/18997_2008-08-14-20070814.mz
File: /home/psm/12-10012.2007-08-14-21-08-19_18_40mhz/2007_2007-08-14-20070814.mz*



Courtesy of R. Khosravi

HIRDLS GEOS-5 Summary; V5.1 vs V5.01

- The HIRDLS group prefers that GEOS-5 v5.01 is continued until v5.1 is reprocessed from launch to present day.
- If GEOS-5 v5.01 is terminated before v5.1 is reprocessed from launch to present day - we would request an option to have GMAO selectively reprocess missing v5.01 days?
- The HIRDLS group will stop releasing v2.04.09 to the DISC at the date v5.01 is terminated.

The END